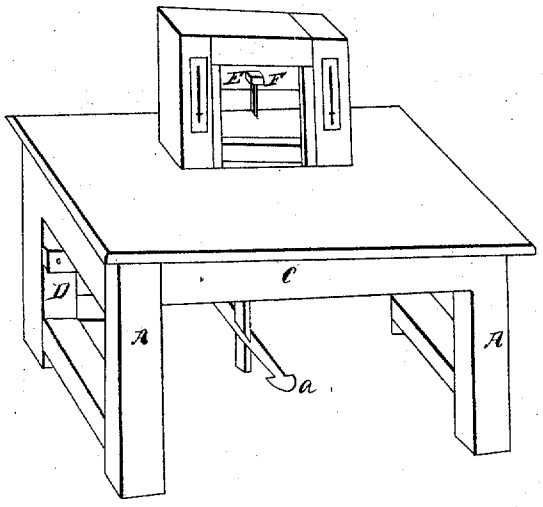
9723X

L. E. Babcock,

Mortising Machine.

Patented June 16, 1836.



AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

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Spencer E. Babcock
Letters Patent

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Spencer E. Babcock himself of his improvement in the machine for Mortising Timber.

To all to whom these presents shall come Be it known that I Spencer E. Babcock of Alstead in the County of Cheshire and State of New Hampshire have invented a new and useful improvement in the useful arts being a machine for mortising holes or openings in timber and that the following is a full and exact description thereof. reference being had to the annexed drawings. Fig 1 a perspective view of the machine. the frame of which is made of timber three inches square and put together in the usual way with mortises and tenons, being three feet long one foot six inches wide and two feet four inches high and is composed of eleven pieces viz. four posts A. four cross rails B. two at the top and two near the bottom of the posts A. and two long rails C. connecting the posts at the top. also one long rail through the centre of the top connecting the two cross short rails. Midway between the top and bottom short rails of the frame a long rail E is attached to the back posts by means of bolts see D. The top of this frame is covered with thick hard wood board which is made fast with screws. through this board a hole is cut against the back of the middle rail one foot four inches long and three inches wide. through this opening two feeder posts are placed being made of timber three inches square and one square fast at the front and to the rail B with bolts. these feeder posts are connected at the top by a timber of the same size and ten inches long. Between these posts which are made fast to the middle rail

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nail of the machine. the gate B. two feet long and ten inches wide and made of timber two inches thick slides up and down in grooves in the fender posts. to the lower end of the gate a lever is attached which reaches down to the lever L. passing through a mortise in the lever and is made fast with a pin. the lever is made fast to the roller B. which turns between the back standards of the machine. the lever being three feet long and resting the roller at right angles at the back end of the lever a weight is attached to throw up the gate. C. is a cast block of iron set on the upper cross piece of the gate and is made fast at any distance required by a set screw d. in a round hole in the head block c is made fast by means of the set screw E. Operation. place the timber on the table of the machine against the fender posts and the foot on the lever pressing it down and the chisel cuts the timber. now by raising the foot the weight on the opposite end of the lever will throw up the gate, throwing the chisel out of the timber by releasing the operative the same time may be cut to the required length

Witnessed

Samuel E Babcock

Samuel Clowes

Emily Babcock

(600 rds

J Clowes